

Notice of Allowability

Application No.

09/822,192

Examiner

Christopher E. Lee

Applicant(s)

MOON ET AL.

Art Unit

2112

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the RCE filed on 21st of March 2005.
2. ☒ The allowed claim(s) is/are 21-33.
3. ☒ The drawings filed on 28 September 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

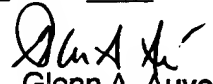
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20050525.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


Glenn A. Auve
Primary Patent Examiner
Technology Center 2100

CEL/CEL

DETAILED ACTION

Receipt Acknowledgement

1. Receipt is acknowledged of the request filed on 21st of March 2005 for a Request for Continued Examination (RCE) under 37 CFR 1.114 based on the Application No. 09/822,192, which the request is acceptable and an RCE has been established. Claims 21, 23 and 25 have been amended; no claim has been canceled; and no claim has been newly added since the Final Office Action was mailed on 21st of October 2004. Currently, claims 1-35 are pending in this application, and the claims 1-20, 34 and 35 of the pending claims are withdrawn from consideration.

Examiner's Amendment

2. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Christopher E. Eide (Reg. No. 48,375) on 26th of May 2005.

The application has been amended as follows:

IN THE CLAIMS

Claims 1-20, 34 and 35 are canceled.

Allowable Subject Matter

3. Claims 21-33 are allowed.

4. The following is an examiner's statement of reasons for allowance:

With respect to claims 21 and 25, the claim limitations of the respective claim are deemed allowable over the prior art of record as the prior art fails to teach or suggest that the hot-pluggable multi-drive magazine is hot pluggable within the hard disk drive data archive system.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Drawings

5. The application having been allowed, formal drawings are required in response to this Office Action.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Bologna et al. [US 6,442,021 B1] disclose hot-pluggable disk carrier having enhanced rotational drive vibration control capability.

Jahne et al. [US 6,535,381 B2] disclose hot swap drawer assembly.

Gallagher et al. [US 6,742,068 B2] disclose data server with hot replaceable processing unit modules.

Papa et al. [US 6,247,079 B1] disclose apparatus for computer implemented hot-swap and hot-add.

Johnson et al. [US 6,854,070 B2] disclose hot-upgrade/hot-add memory.

Bailis et al. [US 6,434,652 B1] disclose hot-plug subsystem for processor based electrical machine.

Stryker et al. [US 6,460,099 B1] disclose apparatus for expansion of single channel at attachment/IDE interface.

Womble et al. [US 5,726,922 A] disclose assembly for removably connecting data storage devices.

McAnally et al. [US 6,580,604 B1] disclose peripheral device bay with adapter plates.

Lee et al. [US 6,510,050 B1] disclose high density packaging for multi-disk system.

Hipp [US 6,757,748 B1] discloses modular network interface system and method.

Holland et al. [US 5,367,669 A] disclose fault tolerant hard disk array controller.

Nam et al. [US 2002/0080575 A1] disclose network switch-integrated high-density multi-server system.

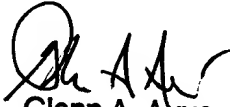
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher E. Lee whose telephone number is 571-272-3637. The examiner can normally be reached on 5:30am - 2:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark H. Rinehart can be reached on 571-272-3632. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Christopher E. Lee
Examiner
Art Unit 2112

CEL/ *CEL*


Glenn A. Alve
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